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REQUEST

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International Application No.	
International Filing Date	
Name of receiving Office and "PCT International Ap	plication"

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty. Applicant's or agent's file reference 15670-071WO1 (if desired) (12 characters maximum) Box No. I TITLE OF INVENTION Method of Inhibiting Neural Transmission Mediated by Serotonin-2A and Enhancing Sensorimotor Gating Box No. II **APPLICANT** This person is also inventor Name and address: (Family name followed by given name; for a legal entity, full official designation. Telephone No. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) THE REGENTS OF THE UNIVERSITY OF CALIFORNIA Facsimile No. Office of the President 1100 Franklin Street, 12th Floor Oakland, California 94607-5200 Teleprinter No. United States of America Applicant's registration No. with the Office State (that is, country) of nationality: State (that is, country) of residence: all designated This person is applicant all designated States except the United States of America the United States the States indicated in for the purposes of: of America only the Supplemental Box Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) Name and address: (Family name followed by given name; for a legal entity, full official designation. This person is: The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) applicant only FEIFEL, David applicant and inventor 8241 La Jolla Scenic Drive North La Jolla, California 92037 United States of America inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office State (that is, country) of nationality: State (that is, country) of residence: This person is applicant all designated all designated States except the United States the States indicated in the United States of America for the purposes of: of America only the Supplemental Box Further applicants and/or (further) inventors are indicated on a continuation sheet. Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: agent common representative Name and address: (Family name followed by given name; for a legal entity, full official designation. Telephone No. The address must include postal code and name of country.) 858/678-5070 BAKER, Joseph R., Jr. FISH & RICHARDSON P.C. Facsimile No. 12390 El Camino Real 858/678-5099 San Diego, California 92130 United States of America Teleprinter No. Agent's registration No. with the Office 40, 900 Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Box No	.V DESIGNATION OF STATE	ES		Mark the applicable check-boxes be	elow; ai	least one must be marked.
The foll	owing designations are hereby made	unde	r Rule	4.9(a):		
Region	al Patent					
⊠ AP	ARIPO Patent: GH Ghana, GM Sierra Leone, SZ Swaziland, TZ U State which is a Contracting State of specify on dotted line)	Gam Inited If the	bia, I Repu Harar	KE Kenya, LS Lesotho, MW Mal ablic of Tanzania, UG Uganda, ZM e Protocol and of the PCT (if other	awi, M Zambi kind of	Z Mozambique, SD Sudan, SL a, ZW Zimbabwe, and any other protection or treatment desired.
⊠ EA	Eurasian Patent: AM Armenia, Moldova, RU Russian Federation,	AZ IJ T	Azerb ajikist	aijan, BY Belarus, KG Kyrgyzst an, TM Turkmenistan, and any oth	an, KZ ier State	Kazakhstan, MD Republic of which is a Contracting State of
⊠ EP	European Patent: AT Austria, I CZ Czech Republic, DE Germ Kingdom, GR Greece, HU Hungar RO Romania, SE Sweden, SI Slove European Patent Convention and of	BE Enany, IE enia, the F	Belgium DK I Irelan SK SI PCT	m, BG Bulgaria, CH & LI Swit Denmark, EE Estonia, ES Spain, d, IT Italy, LU Luxembourg, MC ovakia, TR Turkey, and any other	zerland FI Fi Monac State wi	and Liechtenstein, CY Cyprus, nland, FR France, GB United o, NL Netherlands, PT Portugal, hich is a Contracting State of the
⊠ OA	OAPI Patent: BF Burkina Faso Cameroon, GA Gabon, GN Guinea SN Senegal, TD Chad, TG Togo, a PCT (if other kind of protection or t	, B. , GQ	J Ben Equa	in, CF Central African Republic torial Guinea, GW Guinea-Bissau	CG (Congo, CI Côte d'Ivoire, CM Mali, MR Mauritania, NE Niger,
Nationa	l Patent (if other kind of protection o	r tred	atmen	t desired, specify on dotted line):		
⋈ AE	United Arab Emirates	⊠	HR	Croatia	Ø ON	1 Oman
🛛 AG	Antigua and Barbuda	×	HU	Hungary	⊠ PG	Papua New Guinea
X AL	Albania	\times	ID	Indonesia	⊠ PH	Philippines
🛛 AM				Israel	⊠ PL	Poland
X AT	Austria			India	🛛 PT	Portugal
X AU	Australia	\boxtimes	IS	Iceland	⊠ RC	Romania
X AZ	Azerbaijan			Japan	🛛 RU	Romania Russian Federation
⊠ BA	Bosnia and Herzegovina			Kenya		
ВВ ВВ	Barbados	\boxtimes	KG	Kyrgyzstan	⊠ sc	Sevchelles
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B R	Brazil			of Korea	⊠ SE	Sweden
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BZ BZ	Belize	\boxtimes	KZ	Kazakhstan	⊠ sĸ	Slovakia
CA CA	Canada	\boxtimes	LC	Saint Lucia		Sierra Leone
	& LI Switzerland and Liechtenstein					Syrian Arab Republic
CN	China	X	LR	Liberia	🛛 TJ	Tajikistan
⊠ co	Colombia	\boxtimes	LS	Lesotho	⊠ TM	Turkmenistan
☑ CR	Costa Rica				⊠ TN	Tunisia
CU	Cuba				⊠ TR	Turkey
CZ	Czech Republic				X TT	Trinidad and Tobago
DE	Germany	×	MA	Morocco		
₫ DK	Denmark	\times	MD	Republic of Moldova	⊠ TZ	United Republic of Tanzania
MD [2	Dominica				⊠ UA	Ukraine
DZ	Algeria	×	MG	Madagascar	₩ UG	Uganda
EC	Ecuador		MK	The former Yugoslav Republic of	₩ US	United States of America
Z EE	Estonia			Macedonia		Continuation-in-part
S ES	Spain			Mongolia		Uzbekistan
₫ FI	Finland					Saint Vincent and the Grenadines
GB	United Kingdom			Mexico		Viet Nam
GD	Grenada	X		Mozambique		Serbia and Montenegro
GE GE	Georgia			Nicaragua		South Africa
SI GH	Ghana			Norway		Zambia
ZI GIVI	Gambia	Z	NZ	New Zealand	⊠ ZW	Zimbabwe
Check-l	poxes below reserved for designating	State	s whi	ch have become party to the PCT of	fter iccu	ance of this sheet
all si	tates since this sheet issued		_ ******		c. 135u	anoc of this sheet.
recautio	nary Designation Statement: In ad	ditio	to th	ne designations made above, the appropriate	pplicant	also makes under Rule 4.9(b) all

other designations which would be permitted under the PCT except any designations(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

If, in any of the Boxes, except Boxes Nos VIII(i) to (v) for which a Continuation of Box V: special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No...." (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:

This application is a continuation -in -part of US Provisional Patent Application No. 60/431,937 filed 09 December 2002.

Continuation of Box X:

if more than two persons are to he indicated as applicants David Feifer and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of Attorney for Applicant

Attorney for Applicant

residence is indicated below;

if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Boxes No. II" and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;

(iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;

if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;

if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;

if, in Box No. VI, there are more than five earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.

If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.

Sheet	NI.	4

Box No. VI PRIORITY CLAIM					
The priority of the following	g earlier application(s) is hereb	y claimed:			
Filing date	Number	Where earlier application is:			
of earlier application (day/month/year) of earlier application		national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office	
item (1) 09 December 2002 (09/12/2002)	60/431,937	us			
item (2)					
item (3)					
item (4)					
item (5)					
Further priority claims	are indicated in the Supplemen	ntal Box.			
The receiving Office is required (only if the earlier applicate Office) identified above as:	uested to prepare and transmition was filed with the Office	t to the International Bure which for the purposes of	eau a certified copy of t	the earlier application(s) lication is the receiving	
all items item ((1) item (2)	item (3) item (4)	item (5)	other, see	
* Where the earlier application Industrial Property or one Mem	n is an ARIPO application, indic ber of the World Trade Organiza	cate at least one country pa tion for which that earlier ap	erty to the Paris Convention plication was filed (Rule 4.	Supplemental Box on for the Protection of 10(b)(ii)):	
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	, ,	•••••		
Box No. VII INTERNA	TIONAL SEARCHING AU	THORITY			
Choice of International Seinternational search, indicate the	arching Authority (ISA) (if e Authority chosen; the two-letter	two or more International s code may be used):	Searching Authorities are	competent to carry out the	
ISA/ us					
	arlier search; reference to t			it by or requested from the	
Date (day/month/year)	Number	Country (or region	onal Office)		
		·			
Box No. VIII DECLARA	TIONS				
The following declarations check-boxes below and indicate	are contained in Boxes Nos. \ate in the right column the nur	VIII (i) to (v) (mark the a nber of each type of decla	pplicable ration):	Number of declarations	
Box No. VIII (i)	Declaration as to the identity	y of the inventor		;	
Box No. VIII (ii)	Declaration as to the applica date, to apply for and be gra	int's entitlement, as at the inted a patent	international filing	:	
Box No. VIII (iii)	Declaration as to the applica date, to claim the priority of	nt's entitlement, as at the i	international filing	:	
Box No. VIII (iv)	Declaration of inventorship United States of America)	(only for the purposes of t	he designation of the	:	
Box No. VIII (v)	Declaration as to non-prejud	icial disclosures or except	tions to lack of novelty	:	

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Box No. IX CHECK LIST; LANGUAGE OF FILING						
This international application contains: (a) in paper form, the following number of sheets:	This international application is accompanied by the follow item(s) (mark the applicable check-boxes below and indicate right column the number of each item):	ing Number e in of items				
request (including declaration sheets) : 5	1. A fee calculation sheet	: 1				
description (excluding	2. original separate power of attorney 3. original general power of attorney	:				
sequence listings and/or	4. Copy of general power of attorney; reference number,	:				
claims : 44	if any:	:				
abstract : 1	5. statement explaining lack of signature	:				
drawings : 10	6. priority document(s) identified in Box No. VI as item(s):	:				
Sub-total number of sheets : 66	7. Translation of international application into	·				
sequence listings :	(language):	:				
tables related thereto :	or other biological material	sm				
(for both, actual number of sheets if filed in paper form,	9. sequence listings in computer readable form (indicate type and number of carriers)	•				
whether or not also filed in computer readable form; see	(i) copy submitted for the purposes of international sea	arch				
(c) below) :	under Rule 13ter only (and not as part of the intern	ational				
Total number of sheets : 66	application)	:				
(b) only in computer readable form (Section 801(a)(i)) (i) sequence listings	(ii) (only where check-box (b)(i) or (c)(i) is marked in least column) additional copies including, where applica the copy for the purposes of international search un	<i>eft</i> ble, ider				
(ii) ☐ tables related thereto	Rule 13ter (iii) together with relevant statement as to the identity o	:				
(c) also in computer readable form	or copies with the sequence listings mentioned in le	oft column				
(Section 80 f(a)(ii)) (i) sequence listings	10. tables in computer readable form related to sequence l (indicate type and number of carriers)	istings				
(ii) ☐ tables related thereto Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are	(i) copy submitted for the purposes of international sea Section 802(b-quater) only (and not as part of the	rch under				
contained the	international application)	:				
sequence listings:	(ii) (only where check-box (b)(ii) or (c)(ii) is marked in column) additional copies including, where applications copy for the purposes of international search under 802(b-quater)	left ble, the Section				
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	(iii) together with relevant statement as to the identity of copies with the tables mentioned in left column	: f the copy :				
	11. A other (specify): Transmittal Ltr; Return postcard	: 2				
Figure of the drawings which	Language of filing of the					
should accompany the abstract:	international application: ENGLISH					
Box No. X SIGNATURE OF APPLICANT, A Next to each signature, indicate the name of the person signing at	AGENT OR COMMON REPRESENTATIVE and the capacity is not obvious from rea	ding the request).				
The Regents of the University of California						
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popula sarra	<u></u>					
Joseph R. Baker, Jr. Attorney for Applicant						
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For receiving Office use only						
Date of actual receipt of the purported international application:		2. Drawings:				
3 Corrected date of actual receipt due to later by	ıt .	received:				
timely received papers or drawings completin purported international application:	g the					
4. Date of timely receipt of the required corrections under PCT Article 11(2):		not received:				
5. International Searching Authority (if two or more are competent): ISA/	6. Transmittal of search copy delayed until search fee is paid					
For International Bureau use only						
Date of receipt of the record copy by the International Bureau:						

FEE CALCULATION SHEET

	PCT TLATION SHEET to the Request	For receiving Office us International Application No.	e only
Applicant's or agent's file reference	15670-054WO1	Date stamp of the receiving Office	
Applicant THE REGENTS OF THE U	NIVERSITY OF CALIFORNIA, et	al.	
CALCULATION OF PRESC	CRIBED FEES		
1. TRANSMITTAL FEE	••••••	240.00 T	
2. SEARCH FEE International search to be ca	rried out by ISAI/US	700.00 S	
(If two or more International S search, indicate the name of the	Searching Authorities arc competent to ca e Authority which is chosen to carry out th	rry out the international he international search)	
3. INTERNATIONAL FEE Basic Fee			į
	f Box No. IX apply, enter Sub-total is sox No. IX do not apply, enter Total is		
bi first 30 sheets		476.00 b1	
b2 10 x number of sheets in excess of 30	12.00 =	120.00 b2	
b3 additional component ((only if sequence listings and/or table aputer readable form under Section 80 n paper, under Section 801(a)(ii)):	s related D1(a)(i), or	
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-	fee per sheet		
	b2 and b3 and enter total at B · · ·	596.00 B	
Designation Fees The international application 5	contains5 designations.	520.00 D	
number of designation fees payable (maximum 5)	amount of designation fee		
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(Applicants from certain State international fee. Where the ap	es are entitled to a reduction of 75% oplicant is (or all applicants are) so entit	of the tled, the	
. FEE FOR PRIORITY DOC	JMENT (if applicable)	20.00 P	
. TOTAL FEES PAYABLE	· · · · · · · · · · · · · · · ·	2,076.00	
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The designation fees are r	not paid at this time.		
MODE OF PAYMENT	<u></u>		
authorization to charge deposit account (see below	postal money order	cash coupons	·
cheque	bank draft	revenue stamps other (specify)	·
	ARGE (OR CREDIT) DEPOSIT AC t be available at all receiving Offices)		us
Authorization to charge t	he total fees indicated above.	Deposit Account No.:	06-1050
(This check-box may be not the receiving Office so credit any overpayment in	narked only if the conditions for depo permit) Authorization to charge any n the total fees indicated above.	y deficiency or	mber 2003 R. Baker, Jr.

CALCULATION OF PRESCRIBED FEES 1. TRANSMITTAL FEE 2. SEARCH FEE International search to be carried out by ISAI/US (If two or more International Searching Authorities are competent to carr search, indicate the name of the Authority which is chosen to carry out the 3. INTERNATIONAL FEE **Basic Fee** Where item (b) and/or (c) of Box No. IX apply, enter Sub-total nu Where item (b) and (c) of Box No. IX do not apply, enter Total nu first 30 sheets **b**2 10 12.00 number of sheets fee per sheet in excess of 30 additional component (only if sequence listings and/or tables thereto are filed in computer readable form under Section 801 both in that form and on paper, under Section 801(a)(ii)): fee per sheet Add amounts entered at b1, b2 and b3 and enter total at B . . **Designation Fees** The international application contains designations. 104.00 number of designation fees amount of designation fee payable (maximum 5) Add amounts entered at B and D and enter total at I (Applicants from certain States are entitled to a reduction of 75% international fee. Where the applicant is (or all applicants are) so entitle 4. FEE FOR PRIORITY DOCUMENT (if applicable). 5. TOTAL FEES PAYABLE Add amounts entered at T, S, I and P, and enter total in the TOTAL The designation fees are not paid at this time. MODE OF PAYMENT authorization to charge postal money order deposit account (see below) **X** cheque bank draft **AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACC** (This mode of payment may not be available at all receiving Offices) Authorization to charge the total fees indicated above. (This check-box may be marked only if the conditions for deposit the receiving Office so permit) Authorization to charge any credit any overpayment in the total fees indicated above. X Authorization to charge the fee for priority document. Signature: Form PCT/RO/101 (Annex) (January 2003; reprint July 2003) See Notes to the fee calculation sheet LegalStar 2003, Form PCTREQ